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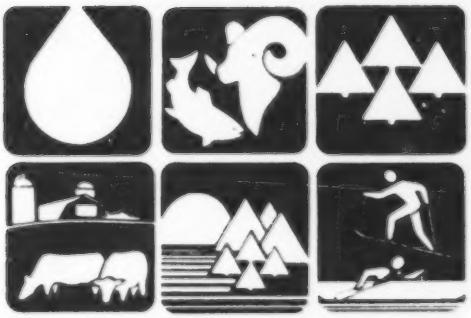
GENERAL PUBLICATIONS
of Alberta Energy and Natural Resources

Fall 1982



Alberta
ENERGY AND
NATURAL RESOURCES

GENERAL PUBLICATIONS
of Alberta Energy and Natural Resources

Fall 1982

1982
Edmonton

Alberta
ENERGY AND
NATURAL RESOURCES

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Students and the general public are welcome to use the ENR Information Centre facilities located at:

Main Floor, Bramalea Building
9920 - 108 Street
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Telephone: (403) 427-3590

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Monday to Friday

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TECHNICAL PUBLICATIONS

Technical reports, studies, and scientific papers are available in limited quantities for advanced students, researchers, employees in related industry, etc. The catalogue **Technical Publications of Alberta Energy and Natural Resources** can be obtained by contacting Resource Information Services.

MAPS AND AERIAL PHOTOGRAPHS

A wide range of federal maps are distributed as well as maps produced by Alberta Energy and Natural Resources. Catalogues, aerial photography, aerial mosaics, enlargements, and other related services are offered by:

Alberta Map and Air Photo Distribution Centre
9945 - 108 Street
Edmonton, Alberta, Canada
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Telephone: (403) 427-3520

FILMS

The department has produced a number of 16 mm films:

Energy: **The Coal Rush** (Part I); **Coal: The Mine That Never Was** (Part 2).

Fish and Wildlife: **Sam Livingston Fish Hatchery.**

Forest: **The First Harvest; The Ultimate Forest; The Vital Two-Thirds.**

Resource Management: **A Legacy for Tomorrow.**

These are distributed through the Provincial Film Library. For details on ordering, please contact:
The Film Library Service _
Alberta Government Services
11510 - Kingsway Avenue
Edmonton, Alberta, Canada
T5G 2Y5
Telephone: (403) 427-4381
A catalogue is available; please request the one listing Energy and Natural Resources films.

KEY

ES = suitable for elementary school classes

G = of general interest

JH = suitable for junior high school classes

SH = suitable for senior high school classes

SP = for special interest groups

T = ideal for teachers

* = available in class quantities

GENERAL

ALBERTA ENERGY AND NATURAL RESOURCES: ANNUAL REPORT:

- 1976/77
- 1977/78
- 1978/79
- 1980/81
- 1981/82

SP.

ENERGY

CONSERVATION

ALBERTA'S ENERGY BUS (booklet, 1981, 8pp.). Brief overview of an energy audit service for Alberta business and industry. SP.

CLASSROOM ENERGY POSTER PUZZLE (puzzle poster, 1981, 29pp.). A grade four activity set/poster that illustrates numerous uses and abuses of energy in the classroom. ES, T.

FUEL ECONOMY CALCULATOR AND LOG. An aid for determining your vehicle's fuel economy in miles per gallon or litres per 100 kilometres. G.

THE GLUT (kit, 1981, 15pp.). A grade three kit that includes booklets, posters, buttons, calendar masters, and a teacher's guide, with an emphasis on solving energy waste problems. ES, T.

HOME ENERGY POSTER PUZZLE (kit, 1981, 29pp.). A grade four activity set/poster that illustrates numerous uses and abuses of energy in the home. ES, T.

HOW TO INSULATE YOUR BASEMENT — EXTERIOR METHOD (booklet, 1981, 20pp.). If your basement is finished but not insulated, this booklet will show you how to insulate it from the outside. G.

HOW TO INSULATE YOUR BASEMENT — INTERIOR METHOD (booklet, 1981, 16pp.). Use the step-by-step instructions offered in this booklet to insulate your basement from the inside. A major "heat-saver". G.

HOW TO WEATHERSTRIP AND CAULK YOUR HOME (booklet, 1981, 28pp.). A guide to saving money at the least cost by reducing air leakage from your home. G.

NEW HOME ENERGY CHECKLIST (folder, 1981). Use this checklist to compare the energy efficiency of new homes before you buy. G.

SELECTING A NEW FURNACE (booklet, 1982, 20pp.). Describes types of furnaces available. G.

SOLAR ENERGY MATTERS (booklet, 1980, 18pp.). Overview of solar energy and its potential uses. G, JH, SH.

WHAT IS ENERGY? (CURRICULUM IDEAS FOR TEACHERS) (teacher's unit, 1981, 34pp.). A grade five teacher's unit for studying the various kinds of energy that exist.

YOUR HOME ENERGY QUIZ (booklet, 1982). Use this quiz to determine the energy efficiency of your present home. G.

YOUR HOME HEATING SYSTEM — USING IT EFFICIENTLY (booklet, 1982, 20pp.). What homeowners can do to obtain the most heat from their gas furnaces and hot-water heaters for their energy dollars. G.

NON-RENEWABLE

ALBERTA COAL: A NEW ERA OF DEVELOPMENT (booklet, 1981, 8pp., maps, illus.). Statistics and information of particular interest to potential investors. SP.

ALBERTA: THE ENERGY PROVINCE (booklet, 1982, 11pp.) Overview of Alberta's energy milestones, conventional crude oil, natural gas, pipelines, oil sands, heavy oil, electrical power, coal, and future energy directions. Introduction to the Alberta Energy Portfolio series. G.

THE ALBERTA OIL SANDS (report, 1977, 17pp., illus.). Written before the opening of the Syncrude plant, but still a good overview of the industry: deposits, companies, extraction processes, research. G,T.

THE ALBERTA OIL SANDS (10-slide set, 1977). Although the statistics are dated, a useful introduction to oil sands. T.

***THE COAL RUSH** (Part I) and **COAL: THE MINE THAT NEVER WAS** (Part 2) (double booklet, 1978, 32pp., illus.). Introduction to Alberta's coal resources, exploration and development, and the reclamation of mined land (see films). G, JH, SH.

CONVENTIONAL CRUDE OIL (booklet, 1982, 8pp.). A statistical look at Alberta's conventional crude oil industry. An Alberta /Energy Portfolio publication. G.

GOING FOR GOLD IN ALBERTA (pamphlet, 1982). A guide to panning and placer mining. G.

OIL SANDS AND HEAVY OILS OF ALBERTA (report, 1982, 94pp., maps, tables, illus.). Description of the location, history, recovery, production, impact, and potential of oil sands, as well as environmental concerns and government processes to control development. G. Price: $3.00

RESEARCH

ALBERTA/CANADA ENERGY RESOURCES RESEARCH FUND: ANNUAL REPORT:

- 1978/79
- 1980/81
- 1981/82

Annual summary of energy-related research projects supported by the joint provincial-federal fund. SP.

FISH AND WILDLIFE

GENERAL

INTRODUCTIONS TO WILDLIFE (poster-size folders):

- **BROAD-WINGED HAWKS OF ALBERTA**
- **CLOVEN-HOOFED ANIMALS OF ALBERTA**
- **COMMON INVERTEBRATES OF ALBERTA**
- **DIVING DUCKS OF ALBERTA**
- **FALCONS AND WOODLAND HAWKS OF ALBERTA**
- **FISH OF ALBERTA**
- **LARGE CARNIVORES OF ALBERTA**
- **LARGE HAWKS AND EAGLES OF ALBERTA**
- **OWLS OF ALBERTA**
- **PUDDLE DUCKS OF ALBERTA**
- **SWANS, CRANES, AND GEESE OF ALBERTA**
- **UPLAND GAME BIRDS OF ALBERTA**
- **WEASEL FAMILY OF ALBERTA**

Includes descriptions, full-colour drawings, and habitat, range, and management information. G, T.

NATURE GUIDES(l-page sheets):

- **BIRD FEEDERS**
- **BLIZZARDS TAKE TOLL OF PHEASANTS**
- **COYOTE HOWLS HAVE MEANING**
- **DEER YARDS**
- **DON'T DISTURB THE PELICANS**
- **FISH NEED CLEAN WATER**
- **GOSLINGS DESERT PARENTS** (Canada geese)
- **THE GREAT HORNED OWL**
- **KNOW YOUR DUCKS**
- **THE LONELY FAWN**
- **PRESERVATION OF THE SPECIES** (fall rutting)
- **RUFFED GROUSE DIVES FOR COVER**

- **SURVIVING WINTER**
- **WHERE DO BATS GO IN WINTER TIME?**

Reprints of newspaper articles, encouraging responsible attitude towards fish and wildlife. G, T.

BEAR FACTS (Pamphlet). Bear biology and habitat, and tips on avoiding encounters. G.

WILDLIFE AND YOU (pamphlet, 1979). Tips on safety with, and respect for, wildlife. G.

FISH CULTURE

FISH PLANTING LIST (pamphlet, annual). List of locations, amounts, species, sizes, and months stocked. SP.

THE NORTH RAM RIVER "CATCH AND RELEASE" SPORT FISHERY (card). Description of a new approach to sport fishing, using barbless hooks, to allow more fish to survive and therefore make more fish available to anglers. SP.

PROTECTING STREAMS AND RIVERS ON PRIVATE LAND (pamphlet, 1981, illus.). Description of a government program offering landowners help with improving and maintaining water quality and fish habitat. G.

MANAGEMENT

THE BROOKS WILDLIFE CENTRE (booklet, illus.). Description of the pheasant hatchery, rearing facility, waterfowl studies, and raptor project at the Centre. SP.

CONTROLLING WATER LEVELS IN BEAVER PONDS (booklet, 1980, llpp.). Management of ponds to prevent flooding. SP.

MANAGING PROBLEM WILDLIFE IN ALBERTA (folder) Programs and policies of the Problem Wildlife Committee concerning problematic animals and compensation for damage. SP.

PHEASANT HABITAT IMPROVEMENT (pamphlet, illus.). How to help pheasants survive in your area. G.

ROUND BALES FOR GOOSE NESTING (pamphlet, illus.). Helpful suggestions on how to build artificial nesting structures for Canada geese. G.

WILDLIFE MANAGEMENT SERIES (reports, illus.):

- **GOOSE MANAGEMENT IN ALBERTA**
- **LAND USE PLANNING FOR CONSERVATION**
- **MANAGING ALBERTA'S BIGHORN SHEEP**
- **MANAGING NORTHERN ALBERTA'S MOOSE POPULATION**
- **PROBLEM WILDLIFE MANAGEMENT**
- **PROTECTION FOR ALBERTA'S ENDANGERED WILDLIFE.**

Non-technical descriptions of wildlife resources and harvest regulations, management problems, and activities of the department. SP.

RESEARCH

NATURE GUIDES (1-page sheets):

- **BROOKS WILDLIFE CENTRE**
- **COUNTING WILDLIFE FROM THE AIR**
- **THE MAN WHO SAW THE LIGHT** (Alberta zoologist Wm. Rowan, who studied bird migration).

Originally short newspaper articles, these reprints cover aspects of general research. G, T.

FOREST

GENERAL

***THE FIRST HARVEST** (booklet, 16pp.). Companion booklet for film on forest management and reforestation (see films). G, JH, SH.

TREES OF ALBERTA (poster-size folder, 1979, maps, illus.). Illustrations, descriptions, and range maps for the most common species. G, T.

***THE VITAL TWO-THIRDS** (booklet, 1976, 12pp.). Companion booklet for film discussing forest resources in Alberta (see films). G, JH, SH.

FIRE PREVENTION

***BERTIE BEAVER'S TRIP TO THE FOREST** (booklet, 1981, 16pp.). Colouring book with large print. Bertie Beaver helps children learn to enjoy the forest. ES, T.

THE CAMPER'S DIRTY HAND BOOK (pamphlet, 1981). Tips for safe campfire use. G.

CLEARING LAND? WE WOULD LIKE TO HELP (pamphlet, 1972). Proper windrow construction and regulations for safer burning. SP.

DIRTY HANDS ARE HELPING HANDS (poster). How to extinguish a campfire. G.

FALL BURNING (pamphlet, 1976). Good reasons for burning windrows and brush piles in the fall. SP.

THE FAST, FREE WAY TO REPORT A FOREST FIRE (poster). Use of the zenith number. G.

JUST ONE SPARK (pamphlet). Tips to prevent welding fires, for mill operators and employees. SP.

NOTICE: YOU ARE LIVING IN A FOREST PROTECTION AREA (pamphlet). Regulations applying to these areas. G.

FOREST MANAGEMENT

TAKING STOCK FOR THE FUTURE: ALBERTA'S FOREST RESOURCE INVENTORY (folder, 1981). Describes steps involved to inventory forests: aerial photography, photo interpretation, ground truthing, mapping, volume sampling, computer management of data. G.

TREES FOR THE FUTURE: PINE RIDGE NURSERY (pamphlet, 1979). History and activities of a specialized reforestation facility. G, T.

PROGRAMS

ALBERTA FOREST SERVICE MUSEUM (pamphlet). Guide to the displays in this Hinton Museum. G, T.

FORESTRY CAREERS (pamphlet, 1976). G.

RESEARCH

HOW TO APPLY FOR GRANTS FROM THE FOREST DEVELOPMENT TRUST FUND (8 sheets including application form, 1978). SP.

TRI-CREEKS WATERSHED STUDY (booklet). Introduction to the research project evaluating effects of logging on streamflow, water quality, and fish populations. SP.

LAND

GENERAL

ALBERTA PUBLIC LANDS (booklet, 1981, 37pp., maps, illus.) Management and administration of public lands by the department: agricultural and non-agricultural uses, land use planning, reclamation, department policy. G.

INFORMATION ON ACQUIRING PUBLIC LAND (sheet, 1975). Summary of necessary terms and conditions, including principal agricultural dispositions. SP.

INFORMATION REGARDING HOMESTEAD SALES (sheet, 1978). SP.

SHORELINE FACTS (pamphlet, 1979). Regulations regarding shoreline improvements. G.

SURFACE RIGHTS: FACTS AND INFORMATION SOURCES (pamphlet, 1981). Discussion of surveys, exploration activities, registrar of land agents, expropriation, contacts for assistance. SP.

GRAZING MANAGEMENT

INFORMATION REGARDING LEASING OF GRAZING LANDS IN ALBERTA (sheet, 1975). SP.

RANGE MANAGEMENT

ALBERTA RANGE PASTURES (booklet, 1979, 30pp.). Description of pastures, with guide to stocking rates. SP.

GUIDE TO RANGE CONDITIONS AND STOCKING RATES FOR ALBERTA (booklet, 1981, 28pp.). SP.

RANGE: ITS NATURE AND USE (booklet, 1981, 34pp.). Principles of range management. G.

RECREATION

GENERAL

ALBERTA LICENSED GUIDES (pamphlet, annual). Lists names and addresses of Class "A" and "B" guides. SP.

BE A HOLIDAY HERO (3 posters):

- **DOWN WITH NOISE**
- **OUT WITH FIRE**
- **PUT GARBAGE IN ITS PLACE**

Courtesy for campers. G.

CLEARWATER RIVER — A MAP/GUIDE FOR RIVER TRAVEL (booklet, 1979, 35pp.). Waterproof guide to a 188 km historic river route in north-eastern Alberta with feature maps and informative text. G. Price: $2.00

FOREST MANAGEMENT INTERPRETIVE TRAIL (pamphlet, 1980). Brief description of Kananaskis Country trail showing use and management of forests in Alberta. G.

NATURE GUIDES (1-page sheets):

- **ANIMAL TRACKS**
- **BACKPACKING — WITHOUT PAIN**
- **CLOTHING IS AN INSULATOR**
- **ICE FISHING**
- **A SIMPLE JIG FOR ICE FISHING**
- **SPRING CAUTION: BEWARE THIN ICE**
- **STAY DRY: STOP HYPOTHERMIA**
- **WINTER SURVIVAL IN THE FOREST**
- **YOUR PERSONAL FIRST AID KIT**

Originally short newspaper articles, these reprints encourage responsible enjoyment of the outdoors. G.

RECREATION

CROSS-COUNTRY SKIING AREAS (pamphlets):

- **BRAGG CREEK**
- **RIBBON CREEK**
- **SANDY McNABB**

Maps, signs, trail descriptions, winter safety tips. G.

RECREATION AREAS (pamphlets):

- **CASTLE**
- **ELBOW**
- **GHOST**
- **NORDEGG**

Regulations and maps showing Forest Service picnic, camping, and cross-country skiing areas. G.

RECREATION AREAS OF THE EASTERN SLOPES (folder, 1980). Detailed map and description of points of interest along the Forestry Trunk Road. G.

SNOWMOBILE AREAS (pamphlets):

- **CATARACT CREEK**
- **CHAMBERS CREEK**
- **GHOST DISTRICT**
- **MCLEAN CREEK - SIBBALD**

Trails, signage, safety and first aid tips, rules, and snowmobiling courtesy. G.

REGULATIONS

BOATING IN ALBERTA (booklet, 1982). Summary of boating restriction regulations. SP.

A COMMERCIAL TRAIL RIDING POLICY FOR ALBERTA (pamphlet, 1979). Information regarding establishment of commercial trail riding operations in forested areas. SP.

FISH AND WILDLIFE SERIES (l-page sheets):

- **HUNTER TRAINING COURSE** (offered by the department)
- **SNARING**
- **WILDLIFE COLUMN** (big game regulations with respect to coyotes).

Originally newspaper articles, these reprints cover information and regulations on hunting and fishing. SP.

SUMMARY OF REGULATIONS (poster-size folders, annual):

- **BIG GAME**
- **BIRD GAME**
- **SPORTFISHING**
- **TRAPPING**

Each folder updates changes for the new season and summarizes regulations, licenses, seasons, and fees. SP.

RESOURCE MANAGEMENT

***A LEGACY FOR TOMORROW** (booklet, 1980, 12pp.). Companion booklet for a film on the richness of the Eastern Slopes, outlining protection provided by the resource management policy (see films). G, JH, SH.

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